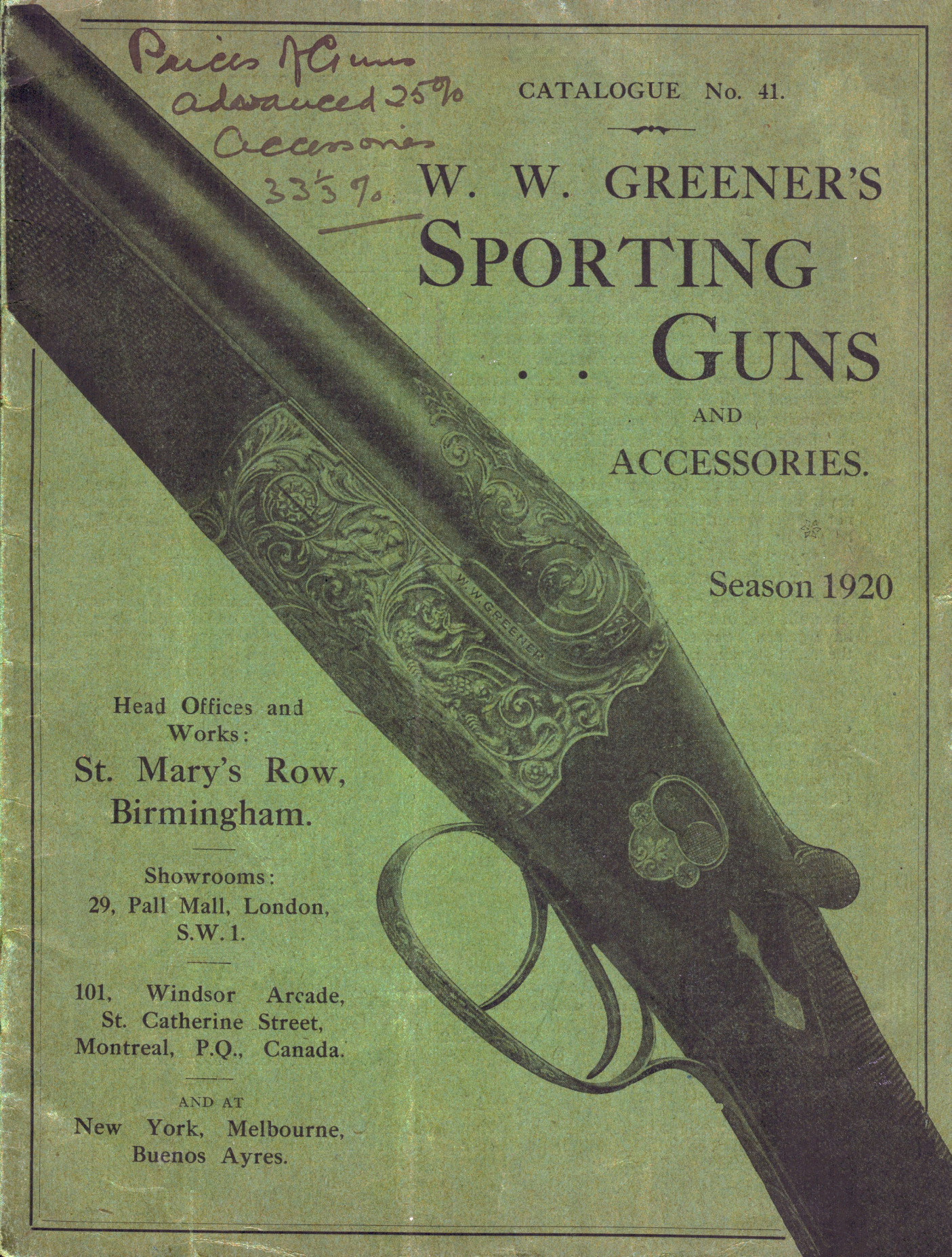
Prices of Guns advanced 25%
Accessories 33⅓%

CATALOGUE No. 41.

W. W. GREENER'S SPORTING . . GUNS AND ACCESSORIES.

Season 1920



Head Offices and Works:

St. Mary's Row, Birmingham.

Showrooms:
29, Pall Mall, London, S.W. 1.

101, Windsor Arcade, St. Catherine Street, Montreal, P.Q., Canada.

AND AT
New York, Melbourne, Buenos Ayres.

THE FIRM OF W. W. GREENER.

W. GREENER, 1829—1869.

W. W. GREENER, 1861—1887.

W. W. GREENER, retired 1911. H. GREENER. C. E. GREENER, 1887 to 1911.

H. GREENER, C. E. GREENER, 1911 to present day.

The Firm was established in Newcastle, in 1829, by the late W. Greener, who moved to Birmingham in 1844, and carried on an extensive trade at Rifle Hill. After his death, in 1869, the business was transferred to its present site in St. Mary's Square, and continued to grow in size and importance. Now its manufactures are famous throughout the world, and to meet the ever increasing demand, the factory has been extended until it fronts St. Mary's Square, Loveday Street and Bath Street, and is to-day the most complete Sporting Gun Factory in the World. Within its area of 37,000 square feet, gun making in all its branches may be inspected, where also the largest stock in Great Britain of fine and medium priced guns and rifles suitable for Home and Colonial use may be seen.

Members of the Greener firm having had wide experience of shooting in nearly every clime are in a position to effectually equip expeditions with tents, food, instruments, and all necessaries not described in this list. Their experience is at the service of all sportsmen. Quotations will be gladly supplied.

W. W. Greener is in touch with the leading Sporting Dog Kennels and constantly ships dogs for sport or breeding to his customers abroad.

Greener guns have been awarded the highest order of merit at International Exhibitions since the first in 1851. They have won at all the great Gun Trials at London and abroad. They have gained the most sought prizes at the trap in every country, and have been and are used by the finest sportsmen and best shots in the world. Shoot a Greener Gun and join their ranks.

TERMS.—Payment.

All prices in this list are net and for Cash. Orders from abroad *must* be accompanied by a deposit of 25 per cent. of total value of the order, and balance paid against shipping documents at sight. A discount of 5 per cent. will be allowed on such deposit, or any sum paid in advance. Ten per cent. per annum interest will be charged on all accounts unpaid after first quarter day following delivery. All prices are in pounds (£) sterling, and payment must be made in England. On account of the unsettled rate of foreign exchange, prices can only be quoted in foreign currency subject to this understanding.

Delivery.

Owing to the difficulties of the labour market, W. W. Greener does not *guarantee* delivery to any specified date, and, where promises are given it is understood that no further undertaking is implied than that his best efforts will be exerted to fulfil the promise made.

Packing and Carriage.

Freight and all shipping charges are at the customer's expense, but W. W. Greener will make the necessary arrangements for prompt and economical shipment when the matter is left to his discretion. In the case of Inland passenger train traffic, this has now to be paid in advance by sender, the amount will, therefore, be added to customer's invoice.

Insurance

on all goods despatched abroad will be effected by W. W. Greener, unless instructed to the contrary, and cost charged to purchaser.

D.O.R.A.

Certain restrictions on the sale and shipment of Arms and Ammunition are still in force, and, while W. W. GREENER will use his best endeavours to obtain permits promptly, he cannot be held responsible for any delay entailed.

VIEWS OF W. W. GREENER'S FACTORY.

BARREL BORING SHOP
A MACHINE SHOP
OFFICES
THE LARGEST AND MOST COMPLETE
SPORTING GUN FACTORY IN THE WORLD
VIEW OF WORKS FACING BATH ST AND LOVEDAY ST
WOOD WORKING MACHINE SHOP
PRESS & TOOL SHOP

THE HOME OF THE GUN TRADE.

ST. MARY'S SQUARE, BIRMINGHAM.

W W GREENER'S BIRMINGHAM SHOW-ROOM.

IN presenting this Price List, the first after the World's War, W. W. GREENER trusts that, while it will scarcely meet the demands of all prospective buyers, no apology for its shortcomings will be considered necessary.

The reason for the reduction in models will be understood by all, and the necessary allowance made for the difficulties of all producers in this period of transition.

Only to those engaged in the Gun Making Industry of the United Kingdom will the full significance of the sacrifices which have been made be fully appreciated. It is doubtful if any other Industry and Art in the Empire has been so ruthlessly repressed, and its efforts so little recognised. What little labour has returned to the Industry is still in a very unsettled condition, due mostly to the generally disturbed state of other trades, and, to a less degree, to the different occupations it has had to fill during the past four-and-a-half years. A certain loss of skill is apparent, and this can only be re-acquired with patience on the side of both the employed and employer.

Where the name of its maker on a gun is the sole guarantee of its quality, and that maker has a world wide reputation to maintain, it is inevitable that unforeseen delays may occur at any time owing to some defect, either in material or workmanship, developing during the manufacture of articles which take months to complete.

These difficulties are increased, under present conditions, but W. W. GREENER desires to assure his customers that on no account will he knowingly permit any work or material to leave his Factory, which will not maintain the reputation acquired by three generations of the Firm, and *any* Gun sold will still be the best procurable anywhere at the price, and be a piece of property worth possessing for all time.

Greener Activities during the Great War.

In 1914 the Greener Factory at St. Mary's Row was already, as it had been for many years previously, engaged in the production of munitions of war. With the outbreak of hostilities, an urgent demand naturally arose for increased output and greater variety of manufactures, which necessitated the entire relinquishment of the sporting gun trade to meet the needs of the Nation. In 1915 W. W. Greener took over a large factory, known as The Tower, Bagot Street, which he reconstructed and equipped with the necessary plant for the manufacture of the Belgian model Mauser rifle, a subsidiary Company being formed for the making of the Belgian model bayonet, and an Engineering business was acquired in order to accelerate the delivery of the requisite plant. In 1916, to meet the ever increasing demands of the Ministry of Munitions, a site, covering $3\frac{1}{4}$ acres, was purchased in Garrison Lane, and a large and modern factory erected, which was completely occupied with work for the British, Russian and Roumanian Governments. The articles produced ranged from the tiny Steel Cartridge, or Charger Clip to the complete Rifle and Bayonet, Cartridges, Horse Killers, Machine Gun parts, Aeroplane Engine parts, Bomb Droppers, Rifle Barrels, Naval Barrels, Fencing Muskets, Rocket Signal Machines, and Very Pistols, while a thousand and one smaller articles were being continually demanded by and supplied to H.M. Government.

Throughout this period, in spite of the increasing severity of the restrictions imposed upon an already overburdened trade, every effort was made to keep in touch with a world wide clientele, and W. W. Greener takes this opportunity of thanking his many clients for their patient forbearance with his sometimes unsuccessful efforts to carry out their requirements.

VIEWS OF W. W. GREENER'S FACTORY.

THE TOWER, BAGOT STREET, BIRMINGHAM.

Rifle Making "Record."

How the Firm of Greener Equipped a Factory and Produced the Belgian "Mauser Rifle."

(Extract from "Arms and Explosives.")

"The firm of W. W. Greener has brought to a successful conclusion one of the most brilliantly executed tasks in the annals of the gun trade. The present war has provided many examples of improvisation of a high order, but the circumstances of rifle manufacture have imposed a limit on accelerated production not surprising to the expert, but highly disappointing to those who thought that they had only to ask in order to receive. A little less than a year ago the firm of Greener were thought to have bitten off more than they could chew when they undertook to make rifles for one of the Allies. The commencing assets were, confidence of a high order, a fair amount of experience in the execution of rifle contracts of a kind which highly organised factories are not in the habit of undertaking, and the resource which is naturally bred by long association with gun making. The sum total of ten months' accomplishment is that complete rifles have been turned out, so advanced as regards quality of machining that unselected parts taken from store can be assembled in a couple of hours.

Derelict factories had to be acquired and fitted for the new work, machinery had to be purchased at a time when the demand largely exceeded the supply, and casual labour had to be set to work on novel tasks, also at a time when labour is none too complaisant. The tragedy of war has exacted that at the precise moment when the best part of a year's herculean labour has brought its reward in the form of a going concern built up out of nothing, the contract has been cancelled and the whole organisation has been taken over. Just how and why such a thing can have happened is not for us to enquire into, nor is the subject one upon which gratuitous opinions should be offered. More to our purpose is to place on record the impressions produced by a visit to the three factories over which the work has been divided for want of accommodation on any single site.

Barrel-making machinery of the latest type, supplemented by home-made machines doing equally excellent work, exist in a quantity which nobody would have dreamed to be possible having regard to the condition of the machine tool market since the commencement of the war. The machining of rifle bodies has presented a number of difficulties arising out of the impossibility of commanding supplies of the right kind of machine tool. Capstan lathes have been adapted to the purpose with a degree of success which has been proved by experience but which few could have foretold. Nearly every component of the complete rifle has been produced by means which had to be adapted from the material available. Yet throughout the whole procedure the principles of interchangeable manufacture have been rigidly adhered to. As showing the strategy which had to be adopted for securing the necessary equipment the firm of Greener acquired in the first instance a machinery broker's business in order that the necessary purchases could be made on sound lines and with the aid of expert backing. That business has served its purpose so effectively that the installed machinery could be sold to-day at many thousands of pounds profit had it not been taken over at a rigid cost valuation. There is not even the consolation that the gun trade will benefit eventually by the incorporation of so fine a producing unit, since the purchaser is a foreign Government, and the machinery is expected to be sent away in due course to re-furnish depleted workshops at home. The bayonet making plant is a study in itself, being a museum of ingenious adaptations working to the practical end of a substantial output of high quality.

VIEWS OF W. W. GREENER'S FACTORY.

GARRISON LANE, BIRMINGHAM.

Even when the outward and impressive show provided by the running machinery has been inspected the mind is left in a confused state through wondering how the immense amount of detail involved in the scheming of operations and the provision of tools and gauges has been worked in. The making of milling cutters is an art in itself, the securing of tool steel, the machining to form, the cutting of teeth, the hardening and tempering, followed by grinding and lapping of cutting edges—all these things have to be carried out with facilities which have to be organised coincidentally with the installation of the principal plant and the accumulation of raw material. The proper supervision of the drawing office, where operations must be first set out on paper, would alone appear capable of occupying the time which has been spent. Yet drawing is but a minor incident in the total fund of effort which leads up to the finished rifle. In addition to the strictly productive work accomplished has been the overcoming of obstacles peculiar to the situation which has existed since the war commenced. Much-needed machinery, of which the arrival at Liverpool may have been duly advised, may be diverted by higher authority to places where its presence is deemed more essential. Increasing labour difficulties have called for Job-like patience and qualities of diplomacy not at everybody's command. The training of an almost wholly foreign staff in duties to which previous training has not accustomed them has added its own quota of difficulty to the task undertaken. Yet these and many other seeming impossibilities have been overcome, including all that is comprised within the single word finance.

That a manufacturer is at the finish inspired by business motives in no way detracts from the credit due for a fine accomplishment. In the present crisis gunmakers and all other munitions suppliers have been patriots first and business men afterwards. In the case of the Greener enterprise the patriotic accomplishment stands alone, now that the business sequence associated with turning out rifles has passed into other hands. The trade may well feel proud that one of their number has contributed so effectively in the hour of necessity. Probably no other firm could have done as much with the materials available, though in this connection justice demands the qualification that miracles have been pretty plentiful during the past sixteen months. But the making of rifles in many senses stands alone. Past wars have provided records of quick delivery starting *de novo*, but the Greener record now holds the field, notwithstanding the many strenuous efforts which previous wars have stimulated."

Greener's Munitions Factory.

(*Extract from "The Field," December 1st, 1917.*)

"Though most of the activities connected with munitions manufacture are taboo for the purposes of publication, mention is admissible of an interesting little function which was recently enacted at the works of Messrs. Greener, where Lieut.-Colonel S. C. Halse, R.A., Director-General of Ordnance Supplies, attended for the purpose of opening the new canteen just completed. The works are not housed in the familiar building in St. Mary's Square, Birmingham, though that edifice is a sufficiently imposing reminder of the greatness to which the firm had attained before most of us were born. The works with the brand new canteen are situated somewhere else, and have been erected on the site of some old clay pits since filled up with the heterogeneous mixture

which a "free tip" manages to attract. The variously deposited mixtures have, with the aid of time, settled down to stable chemical conditions, the only special feature remaining being the necessity to drive building foundations down to the original mother earth.

The Messrs. Greener—we refer in particular to the brothers, Mr. Harry Greener and Mr. C. E. Greener—determined on building a brand new factory, the previous one having been adapted from existing buildings. The new factory, as already stated, includes a range of street frontage buildings, not spoilt by too much depth, and generously lighted by windows on both sides. The operations carried out in this centre are in the nature of viewing and other simple processes for which horizontal light suffices and where the vibration of the plant used is not excessive. Essentially such buildings are for operations where benches line the windowed sides, other benches or light machinery being placed in the middle.

There is, of course, no difficulty about making buildings in floors or tiers perform all but the heaviest operations. Under modern conditions of erection fireproof floors and windows are merely added to a girder framework, itself sufficiently strong and rigid to resist everything but the vibrations induced by heavy forging and stamp work. Such buildings facilitate administration and are economical of ground area. The light pervading them is evenly diffused by virtue of its arrival from all directions except, of course, vertically. Associated with the "up-ended" buildings of this nature is generally a range of shopping carrying the familiar saw-backed roofing. In the new Greener works an immense area has been so covered. The direct rays of the sun are, as is usual, excluded by the slate half of the roof, the glazed intervals facing north and providing the illumination beloved by artists and incidentally by dentists, though few of the last named are lucky enough to command such aid for their work. The expanse of flooring provided in such a building forms one flat surface of concrete interrupted only by the supporting columns. In the Greener example simple walking around without the necessity to climb stairs takes the few who enjoy the privilege of making an inspection through one department after another where sundry things used by our soldiers and by certain of our Allies pass by gradual stages from the crude metal or wood form to the final state ready for the viewers' inspection.

Those whose past experience enables them to appreciate manufacturing ways and means would stand amazed to find that a firm previously known to the public only as sporting gun and rifle makers are also masters of the art of repeat production. Guns have never in the past commanded the sale which justifies such methods. But besides their gun business Messrs. Greener are experienced makers of rifles of military pattern. They it was who first converted disused Martinis for miniature rifle clubs, and in years much earlier than the period referred to they executed important contracts for the belligerents in wars belonging to dim and distant memories. The firm has never abandoned that connection, although it has never exactly struck oil in the case of largely demanded modern firearms, the necessary qualifications, though latent, have remained virile. Repeat methods of production consist essentially in transferring to tool-making the art and ingenuity ordinarily applied to making the thing itself. The productions of the firm have always bespoken the existence of this art and ingenuity, and now that the opportunity has arrived for its better utilisation the heads of the firm and the residue of their skilled staff have applied the principle of taking care of the tools in order that the work they do may take care of itself. According to the Brothers Greener, striking as are the mechanical achievements placed in evidence by an inspection of the new works, the difficulties to overcome are nothing to the calls made by the

way of organisation and administration. At the moment, though many of the departments are actively engaged, much more could be undertaken. The only obstacle to so desirable a consummation is that when a works serves one branch of war administration it is not free to offer its services to another, even if its facilities are not at the moment fully exploited.

Perhaps that which appeals most strongly to the visitor to a modern works is the extraordinary proportion of the total outfit which is devoted to the comfort and welfare of the workers. In an old-fashioned works an inconvenient accumulation of hats and wet ulsters may be removed from the floor space by mounting the pegs on bars which, by means of pulleys, are elevated during work-time to the ceiling. In the Greener works the modern system prevails in all matters affecting the health and bodily comfort of the employees. The department which Colonel Halse opened comprises a modern kitchen and messroom, where meals are provided of a quality and at a price which make the efforts of our celebrated catering firms appear very infirm. The surroundings are not those of the workshop, but of a sweet-smelling apartment devoted to no other use. Messrs. Greener have in a word done the thing not only well, but with a generosity which we trust may eventually redound to their profit. The civilised treatment of workers is no doubt good business, but a large amount of sympathy and kindly interest is always associated with the finest examples of this particular exemplification of sound business policy.

Such visits cannot but stimulate wonder as to the future of the gun trade. Standing on the top gallery of an external flight of stairs commanding a view of the whole works, our representative suggested that such a factory could by itself undertake the making of all the guns turned out in England before the war. There is no reason why guns so made should not be as good as they would certainly be cheap. The whole world is now equipped for manufacture as it was never equipped before. England has certainly wakened up with a vengeance. To-day we can manufacture. There are two other legs to the stool : decision as to the things to be made, that is scientific design, and selling. The fact that the new leg to the stool is sound and substantial suggests that the other two will doubtless be fashioned on similar lines when the flow of orders for standardised war material ceases."

In spite of the strenuous demands made throughout the War on the Greener Works, 56 men responded to the call of duty, and served H.M. Forces on every battle front, while 7 of them, including Capt. Leysters Greener, M.C., made the great sacrifice in Britain's fight for truth and justice against the cruel onslaught of the Hun.

During the War hundreds of Greener Shot Guns were acquired by the Ministry of Munitions for use in the King's Service, consequently but few weapons were left in stock with which to commence trading—this was considered an excellent opportunity for the introduction of new models, and it is hoped that the patterns shown in this list will meet the pressing need of all sportsmen, and pave the way for the introduction and development of other types to meet the requirements of the World's Markets.

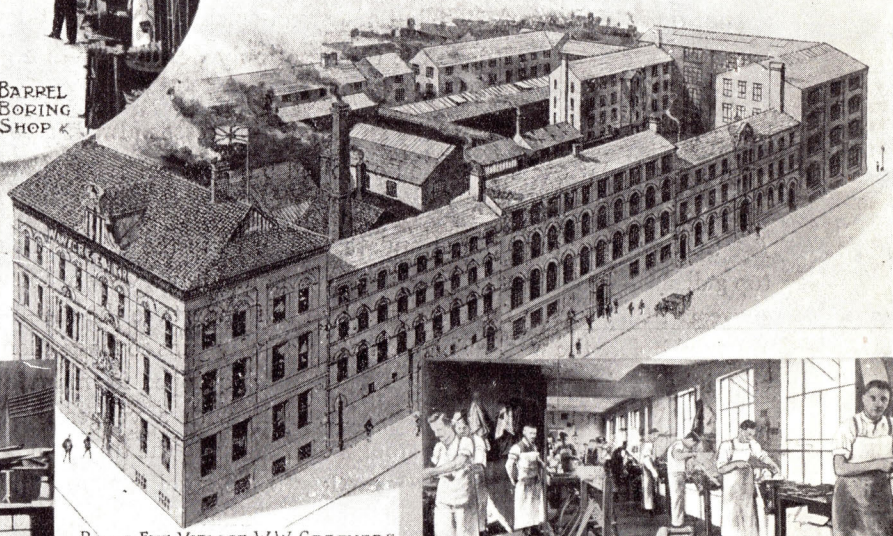
The Home of The Gun Trade.

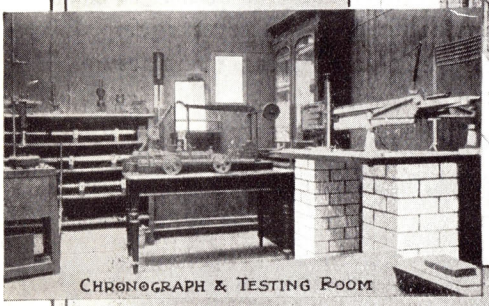
View Room

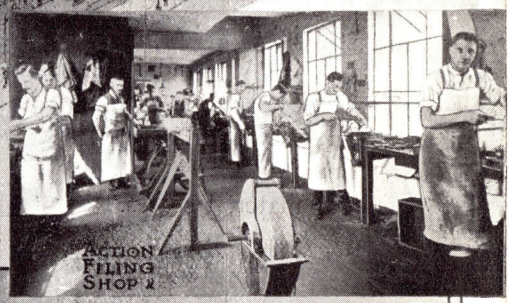
Exterior View of Factory

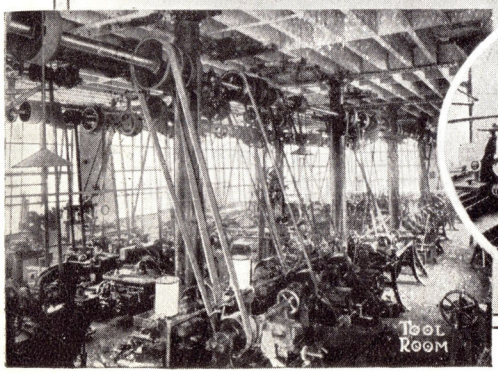
Barrel Boring Shop

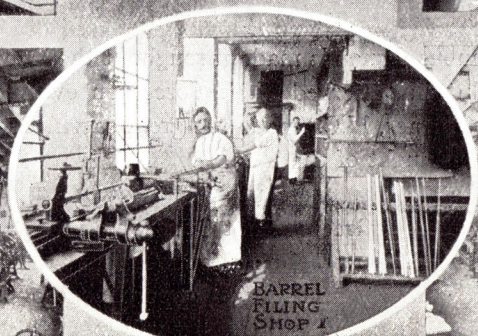
The Largest & Most Complete Sporting Gun Factory in the World

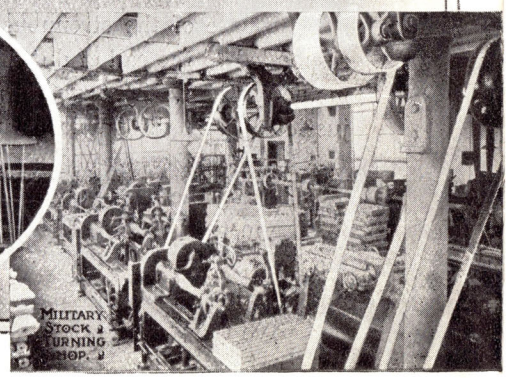

Birds Eye View of W.W. Greeners Factory - St Mary's Square - Loveday St - Bath St Birmingham. England.


Chronograph & Testing Room


Action Filing Shop


Tool Room


Barrel Filing Shop


Military Stock & Turning Shop

NEW ADDRESS:-
W. W. GREENER,
29, PALL MALL,
LONDON, S.W. 1.
WHILE REBUILDING GREENER HOUSE IN HAYMARKET,
TELEPHONE:- 5930 REGENT.
TELEGRAMS:- "EJECTOR, LONDON."

NOTES.

THE "GREENER" EJECTORS.—A New Model Ejector Gun with the ejecting locks in the fore-end has been produced to meet the requirements of those sportsmen who prefer the fore-end ejector, and it can be recommended as being, from its comparative simplicity, among the best of its class (see Grades F H). The W. W. Greener Patent Ejector has been still further improved, and is offered with confidence as possessing the simplest and most efficacious mechanism ever designed for throwing out fired cartridges. Experience has proved that the safest and most reliable mechanism is that which is the simplest of construction, and for simplicity and soundness, the "Greener Ejector" is easily first.

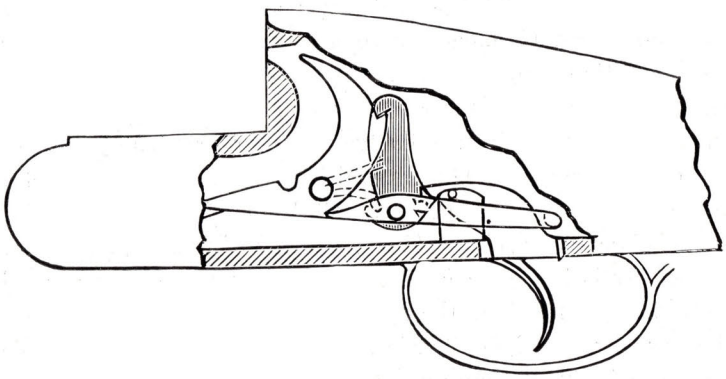
WROUGHT-STEEL BARRELS.—"Greener's Wrought-steel Barrels" recommended in this list are made of a homogeneous metal of a very fine quality, and admirably adapted by its great elasticity and tensile strength for use in gun barrels. W. W. Greener recommends this metal to his customers as being one in which he has every confidence, and which he has chosen only after twelve years of research and numerous trials. Wrought-steel barrels have been thoroughly tested by W. W. Greener, as well as the Government Proof House, with very heavy charges—28 drams of powder and 4½ oz. of shot—without a burst. This is equal to nine ordinary charges of powder, and four ordinary charges of shot. Steel barrels have the following advantages over Damascus barrels:—they are less liable to honeycomb from the corrosive action of gunpowder; are not so easily bent from rough usage; and, being harder, they are not so liable to be dented or bruised—the cause, more frequent than any other, of burst barrels.

BARREL BORING.—A gun more or less choked is now invariably used. It is wrong to call a modern game gun a "cylinder," for no cylinder barrel can make an average pattern of even 130, under standard conditions. The usual "cylinder" is really choked about $\frac{10}{1000}$ of an inch.

W. W. Greener recommends a full choke for all purposes when used by a good shot, in whose hands there can be no doubt that it is the most effective weapon. For shooting at close quarters, however, one barrel should be modified to an improved cylinder, and this will also prove the best for those sportsmen who have the disadvantage of short sight. The technical mode of expressing the shooting of a gun is to give the number of pellets required in a 30 inch circle, with the Greener Standard Charge, 1⅛ oz. of No. 6 shot (270 to the oz.) at 40 yards. No further particulars are necessary.

TRIGGER SAFETY (INDEPENDENT).—It is usual to provide a bolt which locks the triggers so that they cannot be pulled. This should be independent, that is to say, it should not be so arranged as to automatically lock the triggers every time the gun is opened. Such an article lessens the advantages of a hammerless gun, and may become a nuisance. A side-safety, which bolts the trigger effectually, and which is easily put off and on with the thumb, is much better than an automatic safety on the top of the "grip" of the gun, and is always used on "Greener" Guns. If specially desired for pairs of guns, and where a loader is employed, they can easily be made automatic and without extra charge. Top safeties all weaken the gun-stock, some very considerably, at its weakest point.

TUMBLER BOLTING SAFETY (AUTOMATIC).—The trigger safety only bolts the triggers, and is no protection against a Hammerless gun "jarring-off." W. W. Greener's "Tumbler Catching" bolt has been designed to prevent the fall of the tumbler, should it be jarred out of bent by the dropping of the gun or other like causes. It acts automatically and absolutely prevents accidents of this kind, as by its use, it is impossible for the tumbler to be released by any other means than the pulling of the trigger.

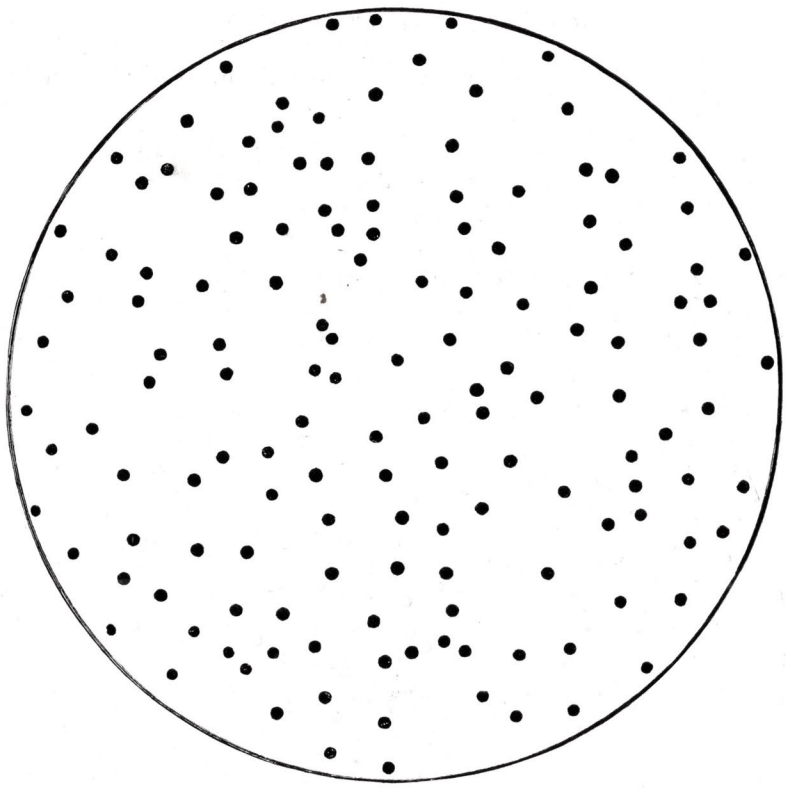


The illustration makes clear its method of working. The Safety Catch blocks the path of the tumbler's fall until moved away by a projection of the trigger blade depressing its rear end when the trigger is pulled.

PULL-OFF.—The usual pull-off for fine game and pigeon guns preferred by sportsmen is 4 lbs. for the right, and $4\frac{1}{2}$ lbs. for the left lock. Light 20-bore guns will do about 1 lb. lighter, but for heavy duck-guns and rifles, the pulls must be heavier.

Some cannot use a gun which has a pull heavier than 3 lbs. for the first, and 4 lbs. for the second barrel; the objection to such light pulls is, that they are likely to jar off, if the gun receives a slight blow, or sometimes, even when closing the gun after loading, if this is done rather sharply.

SHOOTING.—All guns are shot twice before they leave the Works,—in the rough and again when finished. Gentlemen can see their guns tried at the Range in the Works at Birmingham. The barrels can also be regulated or improved to their fancy, and again shot during one visit only.



Fac-simile of a good Improved Cylinder Pattern.

PATTERN.—The Standard Patterns from Cylinders and Chokes are as follows :—

With a 12-bore gun, standard load (black powder and $1\frac{1}{8}$ oz. No. 6 shot), distance and conditions, the following are the average patterns :—

Full-choke	215	pellets.
Half-choke	185	,,
Quarter-choke	160	,,
Improved cylinder (the usual boring for driven game)	140	,,
Old, or true cylinder	115	,,

Better shooting than an average of 215 can be obtained from an extra full-choke-bored 12-bore gun by using Greener's selected nitro-powder cartridges. $1\frac{1}{4}$ oz. of shot improves the pattern of choke guns from 10 to 30 pellets when using No. 6 shot ; it fills up the pattern just round the 30 inch circle.

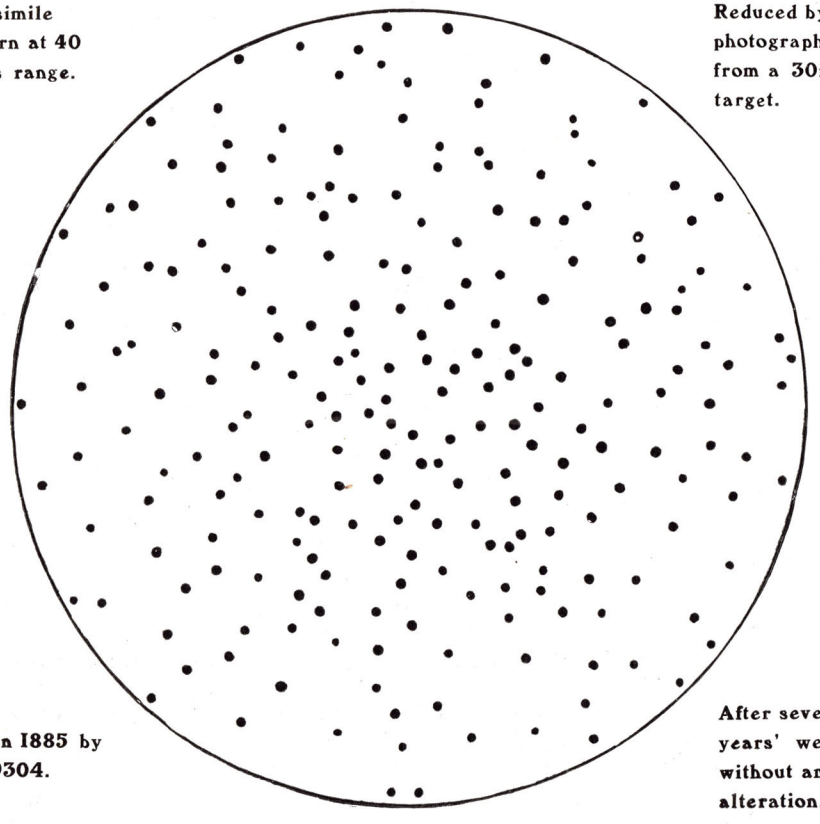
No increase in the charge of shot will improve a cylinder.

THE CHOKE BORE.—The Choke-bore was introduced by W. W. Greener in 1874, and immediately achieved the most decided success, beating thirty-three competitors and sixty-eight guns by all the best London and provincial makers, for 8-, 10-, 12-, and 20-bore guns, in the celebrated "Field Gun Trials" of 1874. The long-continued "Wear and Tear Trial" of 1875 proved its lasting power, which has since been many times corroborated.

The Choke-bore has an increased velocity over the cylinder ; its penetration is greater, and the killing range is extended considerably ; with large shot it is possible to kill game and wild fowl at distances extending to seventy-five yards, and with the larger bores, even to one hundred and thirty yards.

Fac-simile pattern at 40 yards range.

Reduced by photography from a 30in. target.



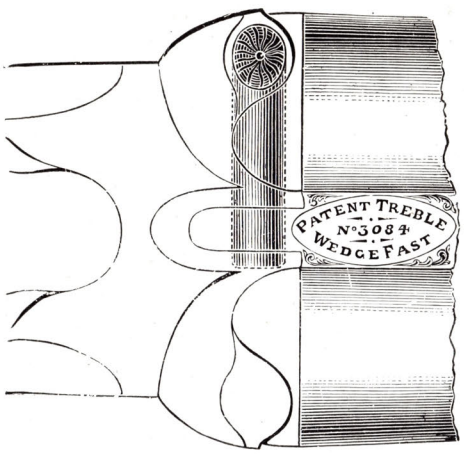
Made in 1885 by Gun 19304.

After seven years' wear, and without any alteration,

The Finest Shooting on Record.

A RECORD.—Possibly the best proof is afforded by the gun No. 19,304, supplied by W. W. Greener, in 1878, to the Schultze Gun-powder Co., and used by them almost daily in making factory trials of various powders. After seven years' wear (over 100,000 shots) this gun shot better than ever, and reproduced above is a fac-simile target, made and published by the Schultze Gun-powder Co., and particulars of the shooting. Besides retaining their shooting powers, W. W. Greener's Choke-bore Guns shoot regularly, and a series of 25, 50, or more shots—taken at any time—will exhibit none of those exceptionally close, patchy, or low patterns invariably met with in badly bored guns.

CHOICE OF A GUN.—Whatever type of gun is bought, Ejector,—Hammerless, or simply "Hammer,"—the system of breech fastening should be W. W. Greener's Top-lever Cross-bolt Action, which is undoubtedly the best and handiest. *No system of breech mechanism is so popular; none so strong, or so thorough;* it will stand securely double the charge that can be fired from the shoulder. It has been tested in every way conceivable, and no fault or weakness has been found when applied to guns or rifles of every calibre and weight. Guns made with it have stood the final proof of continual use in every country and climate in the world, and have proved the most durable. *The "Greener" Cross-bolt is universally acknowledged the strongest in the world, and guns made with the "Treble Wedge-fast Action" can be made lighter than with any other system of breech-loading.*



THE FIT OF THE GUN.—The fit of a gun is a truly personal matter, for although the majority of sportsmen can shoot well with the gun which suits eighty men out of every hundred, unless the gun is liked by them, they will never feel that they shoot so well with it as they should. As no two persons are alike, every person to be exactly suited with a gun will require something different to that which will suit another, but in practice the difference is often so slight as not to be noticeable.

W. W. Greener has a Shooting Ground within thirty minutes of 29, Pall Mall, London, where there are "clay pigeon" traps, etc., and every appliance for correct fitting and correction of shooting. At Birmingham, W. W. Greener has a range fifty yards long within the Works, so that gentlemen visiting that city can see their guns plated without the inconvenience of a long drive to some special ground. As this range is in close proximity to the Machine Boring Shop, gentlemen can have their guns tried, the shooting improved, and the guns again plated within the short time of one visit, if notice is given in advance. No charge is made for fitting the stock when a new gun is ordered. Booklet on Gun fitting sent free.

ALIGNMENT.—Most men align with the right eye, that eye usually being the stronger. If the left eye is stronger than the right, the shooter must close his left eye when aiming, shoot from the left shoulder, or have his gun made so that it is alignable with the left eye. The Gun-fitter's business is to discover and provide for such personal peculiarities, but a test for the stronger eye is to take a finger ring, and holding it out at arm's length look through it with both eyes open at some object twenty or more feet distant. Then close the left eye; if the right eye still sees the object through the ring (which must not be moved) the right eye is the stronger, and may be trusted to align the gun when keeping both eyes open in shooting.

When ordering by post, please use the Order Form at the end of this catalogue.

Extras and Special Prices.

In this Catalogue, every article is priced separately and there are no inclusive charges.

Packing cases are charged, and carriage also when goods are sent carriage paid.

The prices for guns are for 12-bore only, unless specially stated ; guns of larger bore than 12 and smaller than 16, are charged extra on the lowest qualities (see pages 22 and 24.)

No extra charge is made for pairs or sets of three guns ; the price is the same as for two or three guns respectively.

Double guns with one trigger are built to order at ten guineas extra on list prices not below fifty guineas.

Barrels longer than 32 inches are charged fifteen shillings for every extra inch.

New or extra barrels usually cost half the original cost of the gun, but no barrels can be fitted for less than twelve guineas for hammer guns, fifteen for hammerless, and twenty-five guineas for ejectors.

" Whitworth Fluid Compressed Steel " Barrels are not fitted to ejector guns under seventy guineas, or to hammerless and hammer guns under thirty guineas value. When fitted " Wrought-steel " does not add to the cost of the gun, but " Whitworth Steel " is always charged ten guineas extra to the list prices.

Top-safeties on the hand of the hammerless guns cost two guineas extra.

Stocks specially fitted as in guns to fire from the right shoulder when sighting with the left eye, add five guineas to cost of the gun.

Repairs.

It is quite impossible to state a definite price for alterations and repairs, but a special quotation will be given before commencing the work when desired.

Alterations, except to the stock, are very costly and generally undesirable.

Repairs are always quoted nett and for cash.

All repairs are executed by skilled workmen, conversant with the mechanism of all kinds of guns and rifles. Sportsmen not living in the neighbourhood of London, should send their repairs direct to the factory at Birmingham, and should *always* quote the number of the gun in their letter.

Information.

All genuine " Greener " guns bear W. W. Greener's name and address *in full* and are stamped with a number upon the breech ends of the barrels, on the flats of the action, and the fore-end.

For supplying details of any " Greener " gun bearing a number higher than 22,860, the small sum of 2s. 6d. is made. Little or no information can be given about guns of a lower number.

The grade numbers as in this catalogue will be found engraved on the trigger-guard ; otherwise the gun has not been made to a grade, but to a special price to order.

Patrons are requested to use the printed form at the end of this catalogue.

W. W. Greener's Presentation Guns.

Chiselled and Gold Ornamented.

Prices by arrangement.

W. W. Greener will quote Special Prices for Ornamented Guns and Rifles for Presentation.

The modern English-made gun, already a work of art and a master-piece of clever mechanical design and workmanship, is also one of the most durable manufactured articles in the world, and, therefore, well-adapted for expensive gold ornamentation. W. W. Greener's Ornamented Guns have achieved a splendid success, and, wherever exhibited, have been far ahead of all competitors, whether English or Foreign. The designs and methods of combining the various decorations are unique, and have brought the art of gun-making to a distinctly higher stage. Specimens are now always kept for inspection, but such guns are never made to a model as regards ornamentation. They are not repetitions, and an effort is made to make each specimen a slight improvement over the one that preceded it. Designs are made to suit each order, and, when specified, to carry out individual ideas and requirements. In this country, preference is not always given to heavy gold additions, but it can be put to almost any extent and naturally influences the cost of the work very much.

It is usual to let the " Greener " Ejector—the highest development of the sporting gun —form the basis of the special treatment and decoration ; but any system, Hammer or Hammerless, can be ornamented, as required.

Exhibition Awards.

Prize Medal, the Great Exhibition of London, 1851 (for Guns and Barrels, perfectly finished and bored).

Prize Medal, Exhibition of the Industry of all Nations, New York, 1853.

Two Silver Medals, Exposition Universelle, Paris, 1855.

Prize Medal, London Exhibition, 1862.

Silver Medal, Exposition Universelle, Paris, 1867.

Silver Medal, South African International Exhibition, Cape Town, 1877.

Special First Order of Merit, Sydney, 1879.

Special Gold Medal, Melbourne International : Exhibition, 1881.

Gold Medal, Adelaide Exhibition, 1881.

Gold Medal, Cleeves Sporting Exhibition, 1881.

Silver Medal, St. Petersburg Exhibition, 1881.

W. W. Greener's
Side Lock Hammerless Ejector Gun.

Grade L80. Price £84 0 0

This type of gun—so beloved of the London Gunmaker—is preferred by some sportsmen as the English Game Gun, to the box action of the "Greener" *Facile Princeps* gun, and although guns made with the side lock mechanism are rather slower in firing and more complicated, the shape affords admirable opportunity for decorative effect, and when made as a High-grade Greener gun it may be adopted with complete confidence by the sportsman. The gun, as illustrated, is fitted with "Wrought" steel barrels, automatic ejecting mechanism, automatic top safety, 12 bore, 6½ to 7 lbs., or 16 bore, 6 lbs. to 6.6 ozs. and stock measures to order. It has all the refinements called for by the discriminating user, and is handsomely engraved.

Honours Won by Greener Guns.

After the "Field's" celebrated Gun Trials, W. W. Greener's Choke-bore Guns came rapidly into general use among pigeon shots, and the following are some of the important events which they helped to win.

The Champion Challenge Cup of the World, presented by "The Sportsman" Newspaper. Won by Dr. Carver, March 16th, 1881, and for the third time in succession by Captain Brewer, at Hendon, in 1888.

The Championship of the World Challenge Cup, Richmond, U.S.A., in 1887.

The Triennial Universal Championship, second time, Monte Carlo, 1886.

The Triennial Universal Championship, third time, Monte Carlo, 1889.

W. W. Greener's Ejector Gun.

Grade FH70. **Price £73 10 0.**

DESCRIPTION.—A high-grade Hammerless Ejector Gun, handsomely engraved and finished, fitted with the Greener Automatic Block Safety and Independent Side Safety, *Facile Princeps* Action with Greener Fore-end Ejecting mechanism, made in all calibres from 28 to 12, and to customers' measures, without additional charge.

Testimonials.

VICTORIA, AUSTRALIA, *January 26th*, 1919.

"I have used this gun for nine years, and have fired over 45,000 rounds of all makes and sizes. It appears to be a better gun than when I got it. It has never been tightened and has cost me but 2/6 for a lever spring. Amongst other successes I won the Clay Bird Championship of Australia with it in 1916."

KILLORGLEN, IRELAND, *November 24th*, 1918.

"I cannot say how grateful I am to you for my lovely gun, and for the great trouble you have gone to in carrying out even my smallest wishes. The gun shoots better and better every day I have it out."

W. W. GREENER'S Ejector Guns.

Grade FH50. **Price £52 10 0.**

DESCRIPTION.—This gun has the famous *Facile Princeps* Hammerless mechanism, combined with a Forend Ejector system specially adapted to it. This combination is very effective, and has proved satisfactory in every way. W. W. Greener has made thousands of this type of gun, and the demand is rapidly increasing. It is made with Greener's "Wrought" steel barrels in 12 and 16 bores, and in all weights (see table of weights of various bores, page 37).

Smaller or larger bores at slightly increased cost.

It is recommended as a general purpose gun for all countries.

Honours Won by Greener Guns.

The "American Field" Champion Wing-Shot Cup, perhaps the hardest competition in the records of pigeon shooting, for it had to be won ten times successively before being the property of the winner. Mr. J. A. R. Elliot performed this feat during the years 1890, 1891, and 1892.

The Great Match at 500 pigeons aside, Elliott v. Fulford (1892).

The Great Match, Brewer v. Fulford. Brewer's score was 99 out of 100, November 12th, 1891.

The Grand National Handicap, Dexter Park, U.S.A., 1894. All three prizes, value 1,325 dollars, were won with Greener Guns. Out of fifty-three competitors, including all the finest shots of America, nine of the first eleven used Greener Guns.

W. W. Greener's Hammerless Guns.

Grade F35. **Price £36 15 0.**

DESCRIPTION.—This gun is made upon W. W. Greener's *Facile Princeps* system of Breech mechanism—the simplest, quickest and strongest type of Hammerless action extant. Fitted with the Greener Treble Wedge Fast Crossbolt, Greener Side Safety, Barrels of High-grade steel, bored upon the Field Cup Winning System, which to-day, as in 1875, is without a rival. Made in any bore from 28 to 12, at list price. 10 bore 5 guineas extra. 8 bore 15 guineas extra. Built to customers' specification as to Stock-measures weight, shooting, etc., without extra charge.

All W. W. Greener's Guns are entirely British made from British materiai.

Honours Won by Greener Guns.

Again in 1891 The Grand Prix du Casino was won by a user of a Greener Gun from no less than ninety-seven competitors. Also the Grand Prix d'Ouverture, value £199, and the Prix de Monte Carlo in the same year. In 1893 seventeen prizes, in 1894 sixteen, in 1895 thirteen, in 1896 ten prizes, and in 1897 no less than twenty of the most important prizes, including the Grand Prix du Casino for the third time, were gained with Greener Guns.

W. W. Greener's Hammerless Guns.

Grade D25. **Price £26 5 0.**

DESCRIPTION.—Made with the Anson type of action, this gun is the cheapest Greener Hammerless obtainable, and the best value in the gun world ; it is soundly constructed, perfectly balanced, and although plainly finished its design gives it a handsome appearance. It possesses many well-known characteristics of the High-grade Greener gun, T.W.F. Crossbolt, Side Safety, and regularity of shooting combined with effective killing force.

Made in 12 bore only. Straight or half-pistol hand, varying weights from $6\frac{3}{4}$ to $7\frac{1}{4}$. Guns weighing over $7\frac{1}{4}$ lbs. are chambered for $2\frac{3}{4}$ in. cases.

Made to shoot and made to wear, its value is much better appreciated after years of service.

Testimonials.

BROOKLYN, NEW YORK, *December 28th*, 1901.

" The gun you sent me in 1895 has realized all my expectations. I have not spent one cent on it for repairs, and to all intents and purposes the gun is as good as new, it has seen some hard usage."

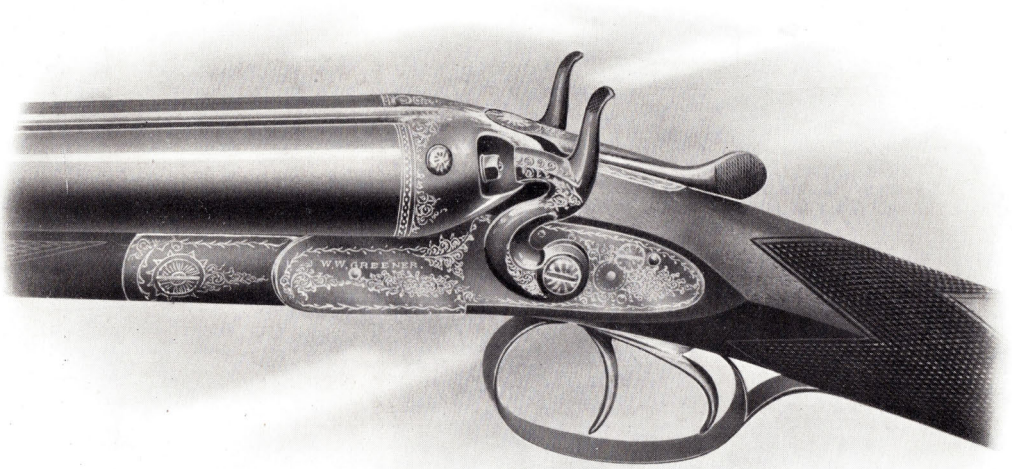
EDINBURGH, *February 14th*, 1902.

" I have in my possession a gun made by your firm, and as I never came across a gun that could stand up against it I must get another like it. I have shot in England, Ireland, and Scotland, and won a lot of valuable prizes. I never saw a gun built like it."

TOKIO, *January 21st*, 1902.

" The gun made for Baron D—— has been found by him to be most satisfactory in every respect, and to be of the best shooting quality ever used for his favourite snipe shooting."

W. W. Greener's Hammer Guns.



Grade A35. **£36 15 0.**

DESCRIPTION.—A high-grade gun with Hammers, now principally made as a Pigeon gun, for which purpose it is eminently suitable, and still preferred by some Continental sportsmen for game shooting, made with the celebrated Greener Treble Wedge Fast Action—chambered for $2\frac{3}{4}$ inch or 3 inch cartridges when required for Pigeon shooting—weight from $6\frac{1}{2}$ to $7\frac{1}{2}$ lbs. All Greener special Pigeon Guns have a Blue Rock Pigeon engraved on the rib.

A High-grade Hammerless Pigeon Gun is also produced as Grade F 45. Price £47 15s.

Testimonials.

CANADA, *February 2nd*, 1906.

"I wish to tell you that the gun is simply perfect as regards her shooting qualities. You might have sent me the most expensive gun in your works, and she might not have been able to touch this one."

CALGARY, N.W.T., *December 18th*, 1904.

"I am more than pleased with my new 'Greener' gun, not only the shooting qualities, but it fits me perfectly. This season I have frequently killed prairie chickens over one hundred yards, and frequently when two birds would rise at sixty yards I have killed both. . . . I shot a live pigeon match yesterday for 1,000 dols., and I had the good fortune to win."

BURFORD, *January 13th*, 1906.

"I find that the shooting is everything that can be desired. It is most satisfactory in every way."

W. W. Greener's Hammer Guns.

Grade A25. **Price £26 5 0.**

DESCRIPTION.—This is an entirely new model, the special design of the action being particularly adapted to display the very handsome engraving with which the gun is decorated. Specially recommended for either Pigeon shooting or Wildfowling, made with the Treble Wedge Fast Action, Steel barrels Straight or Pistol-hand stock, in .12 bore only. Weight $6\frac{3}{4}$ to $7\frac{1}{2}$ lbs.

Testimonials.

"Have not spent 6d. for repairs to your gun in eight years."—T. E.—CANADA, 1901.

GODWAN RIVER, S.A., *January 18th*, 1906.

"I am very pleased to tell you that the shot gun you made for me, while at Nelspruit, has been most satisfactory, being all that could be desired; and if the rifle shoots as well as the one you made for A. G. I shall be lucky indeed."

MANAWATU, N.Z., *October 6th*, 1904.

We have one of your guns in the family; it is an old one. It is a beautiful gun to kill and throws a splendid pattern."

COLUMBUS, OHIO, *August 29th*, 1899.

"I have one of your guns that I use at the trap, and have shot it with success at many important tournaments in this country. It is the best shooting gun I ever saw. I have a standing offer to shoot it for best pattern with any gun that can be bought."

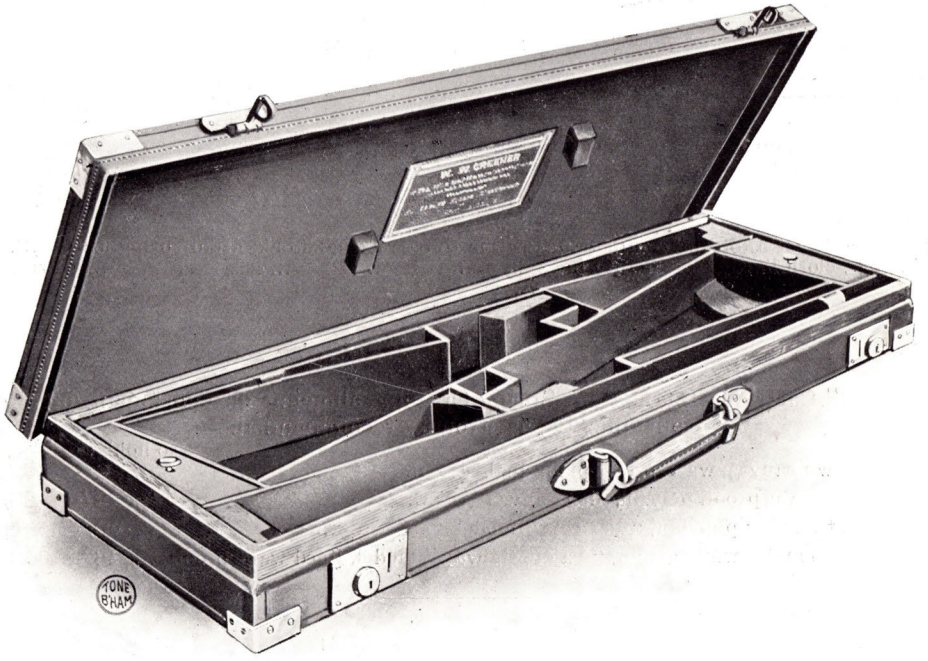
Shooting Accessories.—Gun Cases.

It is impossible, in the limited space available here, to do more than briefly describe a few of the articles more generally used by Sportsmen, but W. W. Greener will be pleased to quote for anything not shown in this list, and a fully Illustrated Catalogue of Accessories for the Gun and Rifle will be sent when desired ; all prices quoted are subject to Market fluctuations.

Gun Cases.

The best are of oak, leather covered, but these are heavy. Solid leather cases, well stiffened and with strong well-made frames, afford equally good protection, and being much lighter are generally preferred.

The pattern to be recommended is one in which the barrels and the stock lie on the same level ; in any case in which barrels are over the stock, injury may occur to the gun in transit. All gun cases are made of the finest selected leather and well-seasoned wood.



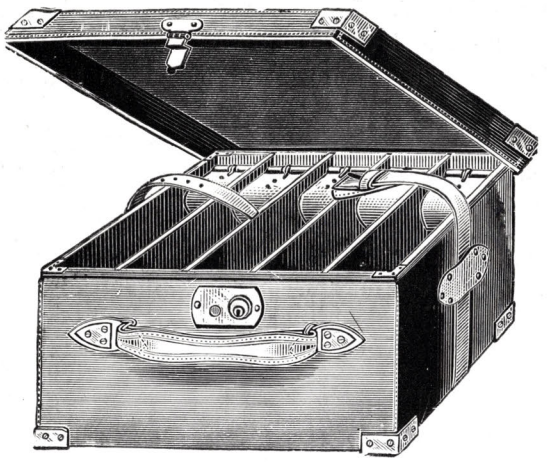
Best Case for Pair of Guns, with Spaces for Cleaning and Loading Implements.

	Gun Case Only.
No. 1—Best oak case, covered with dark leather, lined green velvet, and fitted with two spring locks ..	£12 12 0
,, 2—Best leather case, lined green velvet and fitted with two spring locks	10 10 0
,, 3—Second quality leather case, lined red cloth, one slide lock and straps	5 5 0
,, 4—Plain leather case, lined red cloth, spring lock and straps	4 4 0
,, 5—Willesden canvas case, lined red cloth, spring lock and straps ..	3 3 0
,, 6—Tan canvas waterproof case, lined red cloth, spring lock and straps	2 2 0

	Gun Case Only.
No. 6A—The "Sportsmanteau," to hold gun, stiff-limp cover, etc., price, including cover	Price on application
,, 7—Best leg-of-mutton case, all leather to take gun only, barrels over stock	5 5 0
,, 8—Second quality ditto	3 3 0
,, 9—Special case, for three guns, best quality leather, with brass corners and centre plate, and lined with best cloth. The three pairs of barrels fitted in a polished oak tray, and the stocks on edge in the bottom of the case. All fittings in bottom ..	Price on application.
,, 10—Ditto, extra stout, brass squares fitted in frame for strength ..	

Cleaning Implements, suitable for above Cases, see page 29.
Tanned Waterproof Leather-bound Case Covers, to protect gun cases, **£3 3s. 0d.**
Cases for pairs of guns cost double the above prices. Nos. 1 to 6 are adapted for pairs.

Cartridge Magazines, Bags, Belts, etc.



Cartridge Magazines.

		1st quality.	2nd quality.	3rd quality.
No. CM 1—Solid leather	to hold 100	**72/-**	**54/-**	**44/-**
,, CM 2—	,, 200	**84/-**	**68/-**	**58/-**
,, CM 3—	,, 300	**96/-**	**80/-**	**68/-**
,, CM 4—	,, 400	**108/-**	**88/-**	**78/-**
,, CM 5—	,, 500	**124/-**	**100/-**	**90/-**

The best quality are fitted with slide lock, straps and brass corners; these Magazines can also be supplied to hold a set of implements in tray.

Featherweight Gun Case.

A new model, light, yet affording complete protection to barrels and stock, fitted spring lock, N.P. Fittings, cloth lined, best quality pig-skin ... ... Price **£6 10 0**

Cartridge Bags.

The " Perfecta " Cartridge Bag, Patent Spring Opening, allowing the sportsman to get cartridges out quickly; is strongly recommended.

	To hold 50	75	100
No. BB 98—Brown canvas, waterproof, plain quality	**6/-**	**7/6**	**9/-**
,, BB 154— Tan Waterproof, or Willesden canvas	**20/-**	**24/-**	**28/-**
,, FB 75—Best quality pig-skin, " Perfecta" model	**40/-**	**50/-**	**60/-**
,, C 305—Best hand-sewn hog-skin, " Payne Galway" model, lined waterproof ...	**46/-**	**52/-**	**60/-**

Cartridge Belts.

	To hold (*a*) 25	(*b*) 30
No. C 76E—Waterproof canvas, Cartridge Belt	**6/-**	**7/-**
,, BB 2270—Leather Belt, with steel clips, which form a continuous band; the inside of clips being free from rivets, no injury can occur to paper cartridges ...	**17/-**	**19/-**
,, BB 2260—Best quality all-leather Cartridge Belt, leather sockets	**16/-**	**18/-**

Game Boxes.

For despatching game by post, strong cardboard, folding flat.

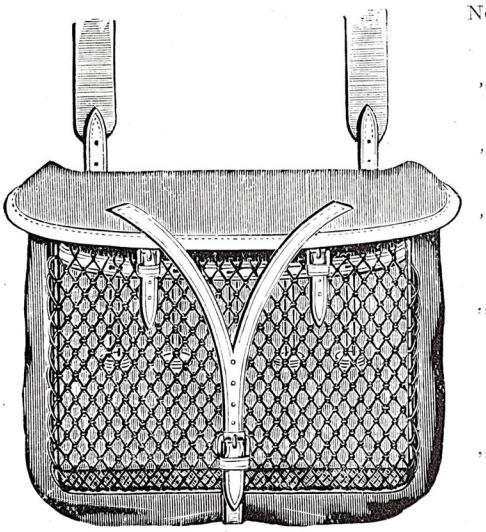
No. JC 1—One brace Grouse or Partridge	**2/6** per dozen
,, JC 2—Two ,, ,, ...	**3/-** ,,
,, JC 3—Three ,, ,, ...	**5/-** ,,
,, JC 4—One brace Pheasant ,, ...	**6/-** ,,

Carriage paid on lots of six dozen.

W. W. G. will be pleased to quote specially for anything not shown in this List. A full Catalogue of Accessories for Guns and Rifles is in course of preparation.

Game Bags, Carriers, Gun Covers, etc.

Game Bags.



		16×14	18×16	21×18in.
No. BB 315	Plainest quality, tan canvas, without net	9/-	11/-	13/-
,, BB 316	Best Waterproof, with net and flaps	13/-	15/-	17/-
,, BB 320	The "Sandringham" suitable for either game or fish	17×12 22/-	—	—
,, BB 325	Best quality, leather lined, large leather corners, expanding gusset and net ...	17×12 30/-	19×14 36/-	22×15½in. 40/-
,, C 12	Finest quality, memel hide, lined throughout basil, with pocket divisions, gussets, flap and whip-cord net ...	19×21in. 35/-		
,, BB 326	An entirely new-shaped bag, hand-stitched, extremely popular in Scotland, flap and net, lined waterproof	18½×12 36/-	20×13½ 40/-	22×15 24×16in. 45/- 48/-

Fishing Bags.

		12×9	15×10	18×12in.
No. BB 130	Brown waterproof canvas, expanding gusset, and front pocket ...	18/-	21/-	22/-

Game Sticks or Carriers.

No. L 02 U	Single Stick, polished, brass trap	7/6
,, L 02 U O	Same Carrier, with net attachment	17/6
,, L C 5	The "Collapsible," made of metal; will go in pocket or gun-case; weight, about 4 ounces, to carry six brace partridges ... ... each	7/6

Gun Covers.

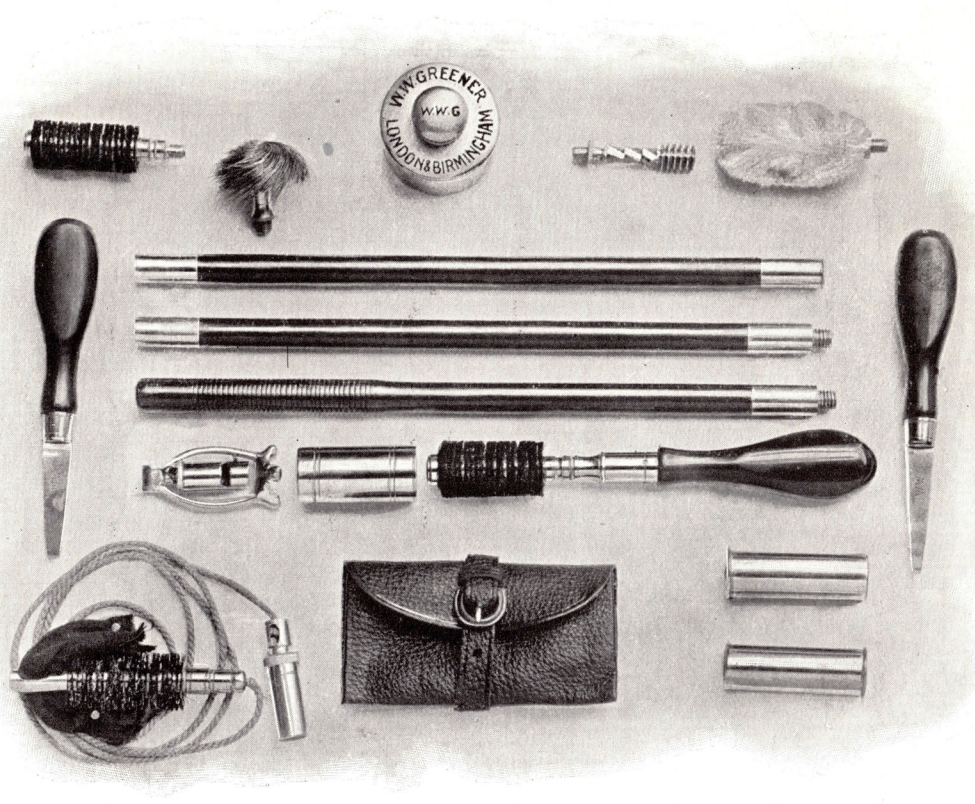
No. C O 2	Good quality waterproof check Gun Cover, leather-bound, leather nose-cap	10/-
,, C O 2 x	Best quality tan duck, leather cap, hide-bound	17/6
,, B B 613	Selvyt-lined, waterproof, brown canvas cover, bound hog-skin, blocked cap	20/-
,, W W G 15	Blocked solid leather Gun Cover, to take full length, double-action lock, covered with flap	100/-

Gun Slings.

No. B B 51	Stout leather, either black or brown, fitted with straps or swivels	5/-
,, G B 51	Greener pattern, leather, no eye required on barrels, gun can be brought up to shoulder without detaching sling, complete, with gimlet and eye for fixing on stock ...	12/6

Dog Collars, Whips, and Slips at lowest prices.

Cleaning Implements, etc.



The set of instruments illustrated contain all the tools required by the sportsman for cleaning his gun. Except in foreign countries remote from gun shops, or when on an extended expedition, re-loading tools are but seldom necessary The following are the prices of the most used of them :—

Re-loading Tools. No. L C O 22—Turn-over, plain, Japanned, **10**/- each.
,, L 1022— ,, with hardened lever, **15**/- ,,

Re- and De-Cappers. No. L O 87—Pillar and Block .. .. **7**/- each

Loading Tubes. No. L C 1200—Polished Brass, Wood Rammer and Block, **4**/**6** each.

Re-loading Set.

Complete set of Re-loading Implements, consisting of : Turn-over, Re-capper and De-capper, Powder and Shot Measures, Powder Funnel, Rammer and Block, etc. Prices—No. L 4, **21**/- ; No. L 5, **42**/- ; No. L 6, **84**/-.

Cleaning Implements.

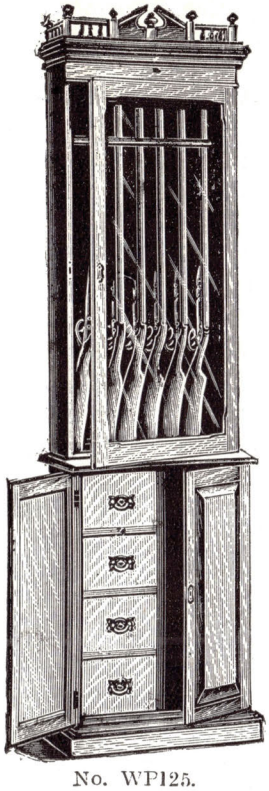
No. 1 Set.

1—Jointed Cleaning Rod, German-silver fittings, wire and bristle brushes,	**0**	**15**	**0**
2—Chamber Cleaner, horn handle, nickel-silver	**0**	**10**	**6**
3—Folding Whistle Extractor	**0**	**5**	**0**
4—One pair Turn-screws, horn handles ..	**0**	**12**	**6**
5—Oil Bottle metal, nickel-silver ..	**0**	**5**	**0**
6—Pocket Cleaner, in morocco leather pouch	**0**	**12**	**0**
7—Pair of Snap Caps, nickel-silver ..	**0**	**4**	**0**
8—Action Brush	**0**	**2**	**0**
	£3	**6**	**0**

No. 2 Set.

1—Jointed Cleaning Rod and Apparatus	**£0**	**9**	**0**
2—Chamber Cleaner	**0**	**7**	**0**
3—Nickel-plated Hook Extractor ..	**0**	**3**	**0**
4—One pair Turn-screws	**0**	**8**	**0**
5—Oil Bottle Glass	**0**	**3**	**6**
6—Pocket Cleaner, in pouch	**0**	**6**	**0**
8—Action Brush	**0**	**1**	**6**
	£1	**18**	**0**

Gun Cabinets and Shooting Seats.



No. WP125.

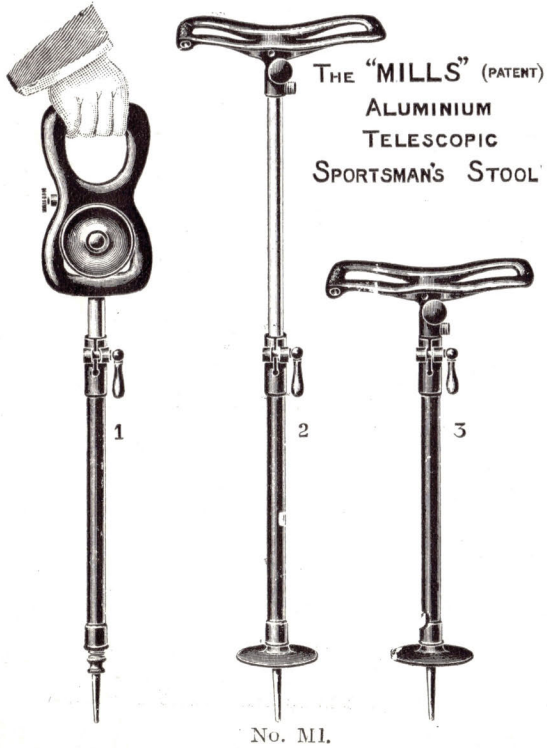
These Cabinets are of English manufacture and are well-made of seasoned oak. If required in mahogany or walnut, extra is charged. They can be polished in light, medium, or dark shades to order and lined either crimson or green baize.

DESCRIPTION.

No. W P 10—To take six guns, 4ft. 6 high, 1ft. 9 wide, 9 in. deep, oak	Prices on Application.
,, W P 125—To take six guns, with two drawers and small cupboard as illustrated, 6 ft. high, 2 ft. wide, 1 ft. deep, in oak	

Other styles are supplied, ranging in price from **80**/- to £**30** and full particulars will be sent on application.

Carriage paid in the United Kingdom.



No. M1.

Shooting Seats.

No. M 1—Aluminium Telescope Stool, Mill's patent, as illustrated, light, strong, and reliable, adjustable to varying heights and angles. Takes to pieces and may be packed in portmanteau, polished bright **30**/-, black	£1 15 0
,, M 2—Cheaper pattern, non-telescopic, wood seat, Mill's patent	1 7 6
,, M 3—Wood stick, with aluminium crook handle, and nickel-silver fittings ..	1 5 0
,, M 4—Plain walnut stick, folding seat, forming grip, with japanned fittings	1 5 0
,, L 26—Bamboo cane, with nickel-silver fittings	15 0

Novelties for Sportsmen's Use.

The "NOMISGARD."

(GREENER'S PATENT NO. 2555).

A perfect handguard and aid to rapid alignment. The illustration shows at once the object of the device and the method of using it. The "Nomisgard" fills the need long felt by many shooters for some guide, rapidly attached, which will help toward rapid alignment. When using the "Nomisgard," so long as the "Game" is seen between the uprights, the gun is being correctly held.

No. W R O 1—In Best Pig-skin or leather .. **10/6** each.

Knives.

No. L 8207—Combination Sportsmen's Knife, N.S., containing Universal cartridge extractor, cork-screw, champagne hook, large blade, turn-screw, etc. **40/-**
,, L 5982—Cheaper quality, ditto **17/6**
Pocket and Pen Knives from **3 6**

Signal Horns, Whistles, and Game Calls.

No. G G 1—Signal Horn, very useful for calling up beaters, one tone, polished brass .. .. ..
,, G G 2—Two tones, polished brass .. ..
,, O 8 0—Best quality Horn Dog Whistle **2/-**
,, O 8 1— ,, ,, German Silver **3/6**

Decoy Calls.

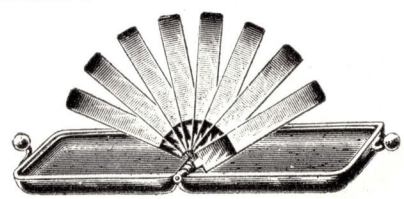
Partridge, Horn	**2/-**	Cuckoo	**2/6**
Duck ,, ...	**2/-**	Pigeon	**2/6**
Plover ,, ...	**3/-**	Grouse	**2/6**
Pheasant ,, ...	**3/-**	Hare	**2/6**
Snipe ,, ...	**1/6**	Woodcock ..	**2/6**

Game Markers or Scorers.

No. L T 7—(a) Watch Pattern, can be marked for any two of the following:—Partridge, Pheasant, Hares, Rabbits—indicating 1 to 40 .. .. **12 6**
Other Patterns (b) two, (c) four, or (d) six dials .. ..

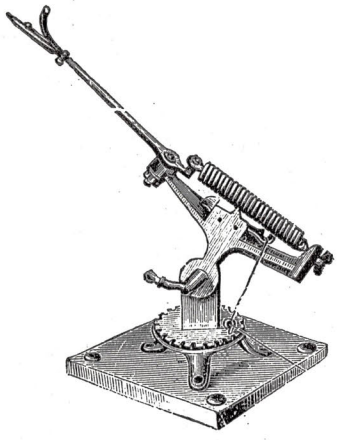
The Sportsman's Pathfinder.

(Barker's Patent) Extremely useful when "drawing for position" at Shooting Parties, for eight guns. Prices on application.



No. B K 10—Sterling Silver .. .. ..
,, B K 10—9-ct. Gold .. ..

Inanimate Bird Traps.



The "Expert" Trap.

This handy little trap affords excellent sport and is an excellent and economical method of keeping "fit" during the close season. Price on application.

The "Handflinger."

This useful article, carried in the gun case, together with half-a-dozen "birds" enables anyone to obtain excellent sport at a minute's notice.

Price ... **12/6** each. Indestructible Steel Birds ... **12/-** per doz.

Artificial Running Rabbits.

These are for Shot-gun or Rifle-practice, length of run thirty feet; rabbits can, at will, run from left to right and at various speeds. They afford the best possible practice at running game.

No. J 1—Price complete, with iron rabbits for Shot-gun practice ... **£6 10 0**

Live Pigeon Traps.

No. O S 3—Made of best cold-rolled steel, the front of trap (away from shooter) being provided with straight openwork bars, giving the bird an opportunity of seeing where it can fly to; enamelled dark green, used by all the leading clubs **25/-**

Vermin Traps and Sundries.

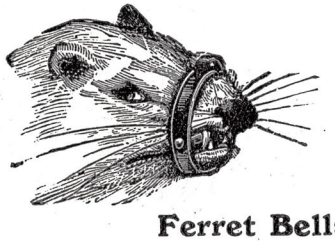
Rabbit Traps.

A good strong trap, real Dorset pattern, brass catches, galvanized plates, complete with 5-link swivel chains.

No. L W 1—3in. jaw, **30/-** No. L W 2—3½in. jaw, **32/-** No. L W 3—4in. jaw, **35/-** per doz.

Mole Traps.

No. L W 4—Easily set ... ... **15/-** per dozen.



Ferret Muzzles.

No. L 101—Plain ring and pin, polished brass, any size ... ... **5d.** each.

,, L 104—Hinge Muzzle, can be fastened with one hand ... ... **8d.** ,,

,, L 103—Spring pattern, as illustrated ... **10d.** ,,

Ferret Bells.

No. L F B—Nickel-plated ... ... **3d.** each. **Collars** ... ... **1/-** each.

Ferret Lines, with best cord, swivel and loop ... **1/-** each.

W. W. Greener's Cartridges.

To obtain first-class shooting, two things are absolutely indispensable ; good material and careful loading. To obtain the first, W. W. Greener has cases and wadding made to his specification, and all are carefully gauged before being passed for use. The powder is continually tested, and skilled workpeople only are employed in the loading room. As a result, W. W. Greener's Cartridges are acknowledged best. For over forty years they have had a reputation for reliability. Special cartridges are loaded for all classes of shooting in different parts of the world, and customers indenting should specify " Greener's " Partridge, Pheasant, Pigeon, or Buck Cartridges, etc., as may be required.

Prices are now fixed by the " Explosives Trust " and sportsmen should see that they get the standard qualities for the prices charged. W. W. Greener has adopted the lined case for both qualities of cartridge as, although the " unlined " is cheaper, it places a greatly increased strain upon the gun, and, as a consequence, cannot be recommended.

The following are W. W. Greener's Standard qualities :—

PRICES.

W. W. GREENER'S "SPORTING LIFE" CARTRIDGES.

Best material throughout, selected smokeless powder, chilled shot. $\frac{5}{8}$ in. Brass, metal-lined case.

	Price per 100. Cash with order.	Booked.
12-BORE	**21/6**	**23/6**

Special Pigeon Cartridges in this quality, with the $2\frac{3}{4}$in. long case, **30**/- per 100 cash.

W. W. GREENER'S "DEAD SHOT" CARTRIDGES.

A medium quality case, fully loaded, selected nitro powder and chilled shot. 5-16 in. Brass, metal, lined case.

	Price per 100. Cash with order.	Booked.
12-BORE	**19/6**	**21/6**

W. W. GREENER'S "PARAGON" CARTRIDGES.

A thoroughly good cartridge at an extremely low price.

	Price per 100. Cash with order.	Booked.
12-BORE ONLY ..	**17/-**	**19/-**

A Factory-loaded Cartridge for Gamekeepers' use. 12-BORE. Black powder. Price **15**/- 100.

Packing & carriage in Great Britain extra.

Prices of Cases, Wadding, etc.

" Sporting Life " Cases,	12-BORE	**105**/- per 1,000
" Dead Shot " ,,	12-BORE	**87/6** ,, ,,

Wadding.

Best quality felt	.. **10**/- per lb.	" Field " Cloth Wads ..	**12**/- per 1,000
No. 2 ,, ,,	.. **7/9** ,,	Thick White Card Wads ..	**3/6** ,, ,,
,, 3 ,, ,,	.. **5/6** ,,	Thin ,, ,, ,,	**3**/- ,, ,,
		Overshot (printed) Wads	**6/6** ,, ,,

Caps suitable for paper cases (in boxes containing 250), **10**/- per 1,000.

Powder.

Ordinary Schultze	**10**/- per lb.	Amberite	**10**/- per lb.
Imperial ,, ...	**10**/- ,,	Black	**4**/- ,,
E C 3 Powder	**12/6** ,,	,, ...	**2/6** ,,

Shot.

No. 1 to Dustshot, **10**/- per bag of 28 lbs. A A A and S S G and other Buck shot, **14**/- per bag of 28 lbs.

Equipment for the Big-Game Hunter.

Alarm Guns.

These have been found to be of great utility for Camp use, giving instant warning of the approach of animals, or wandering of pilfering natives, and should always form part of the equipment of the big-game hunter.

No. O S 1—Plainest quality, firing blank 12-bore cartridges ... ... **15/-** each
,, O S 2—Better quality, with rocket-firing apparatus ... . **35/-** ,,
Rockets ... . **24/-** per doz.
,, WW x—Wire ... ... per 100 yards, from **1/6**

Binocular Glasses and Telescopes.

No. P 121—Field Glass, quick drawer, morocco body, sliding sun-shades, in case **40/-**

,, P 340—One-drawer Telescope, solid leather, sliding sun-shade, 1⅝in. object glass **50/-**

No. P 397—Four-drawer Telescope, solid leather, sliding sun-shade, 1⅞in. object glass, cap and sling .. **95/-**

,, P 354—Hardwood Tripod Telescope Stand, about five feet high, with cradle and straps, horizontal and vertical motions **35/-**

Belts for Explorers.

No. B B 1—Best leather, snake or buckle fastening, three nickel-plated rings, 1½in. wide ... **10/6**
,, L 706—Hunting Belt, with nickel-plated rings, steel chain, swivel, pouch, purse, watch pocket, hunting knife and sheath **50/-**

Revolver Holster.

No. B B 297—Holster, belt, and cartridge pouch, good quality, leather **15/-**

Cartridge Belts.

	To hold 25	30
No. B B 2248—Canvas Belt, 3½in. wide, with leather-bound web loops	**6/**	**7/-**
,, B B 76B—Leather ,, ,, ,, all leather loops	**8/-**	**9/-**
,, B B 2249—Leather Belt, with leather flaps to cover cartridges	**15/-**	**20/-**
,, G B 01—All-leather Waist Belt or Bandolier, Greener pattern, with a separate detachable leather socket for each cartridge	**20/-**	**25/-**

Canteens and Water Bottles.

No. B E 2—Portable Bucket Canteens, for two persons, containing fire stand, boiling pot, tea kettle and strainer, two canisters, pepper and salt boxes, one enamelled dish, two plates, two cups, frying pan, grid-iron, two knives and forks, two dessert spoons, two tea spoons; packed in galvanized iron bucket, with strap handle, lid forming a washing bowl, weight 17lbs. Size 11 × 11.

,, B E 1—Aluminium Felt-covered Water Bottle, to hold 1½ pint, fitted with strap, swivel hook, cork stopper.

,, B E 4—Army Service-pattern Water Bottle, to hold 3 pints.

Prices on application.

Tents of every description will be quoted for on application.

Cleaning Apparatus.

No. L E U—The "Eureka" Self-Expanding Brush. Made in four different materials—bristle, wire, (brass or steel). felt and india-rubber; may be screwed into any standard rod or chamber cleaner. Wire, **8/-** each; bristle, **7/-** each; felt, **6/-** each; indiarubber, **6/-** each. New parts to replace can be supplied at little cost.
,, 842—The "Payne Galwey" eight row Brass or Steel Wire Brush for barrels, **6/-** each.
,, L B 154—One-joint Cleaning Rod, with wire and bristle brush, mop and jag, useful in gun room, **9/-** each.
,, C V —"Clenveet" Cloth, soft as "selvyt," but slightly greased—specially-prepared for wiping exterior of gun barrels. Should be in every gun case. An excellent rust preventive. Large size, **2/-** each; small size, **1/-** each.
,, P 1—Oil for interior of barrels, best rangoon, in bottles, **1/-** and **2/-** each. In tins, **2/6** each.
"Solvol," a lead solvent and Rust Preventative, in bottle, **1/6**. Greener Gun Grease, in tubes, **1/-**

No. L R C—The Rubber Pneumatic Finger Guard is a certain cure for bruised finger, and fits any gun, price **3/6** each. No. B L R 1—Rubber Guard, to fit on finger and prevent bruising, **3/-** each.

Equipment for the Big-Game Hunter

(continued).

Hand-guards and Recoil Pads.

No. G H G 1—Greener's pattern, leather laced hand-guard for the barrel, of exceptional value in tropical climate **7/6**

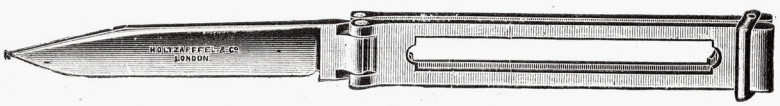
,, G H G 2—A leather shoe to fit on butt of rifle (Greener pattern), laced, prevents stock from slipping when used in dry hot countries. Will last three times as long as a slip-on rubber pad. Can be made to fit any rifle **15/-**

Rubber Recoil Pads.

No. L B 1—Useful on rifles and guns of large calibre, lengthens stock about half an inch, and considerably reduces recoil **5/6**

Hunting and Skinning Knives.

No. H P F 1—The "Deerstalker" Knife, strongly recommended, light aluminium handle, folding blade, exceptionally strong **27/6**



No. W F 3012—Hunting Knife, stag-horn handle, 7in. blade, folding in grip to 4in., in leather sheaf **31/6**

,, W 92—Skinning Knife, in sheath, blade length 6in., **2/-**; 9in., **3/-**; 10in., **3/6** each.

Night-light for Lion Shooting.

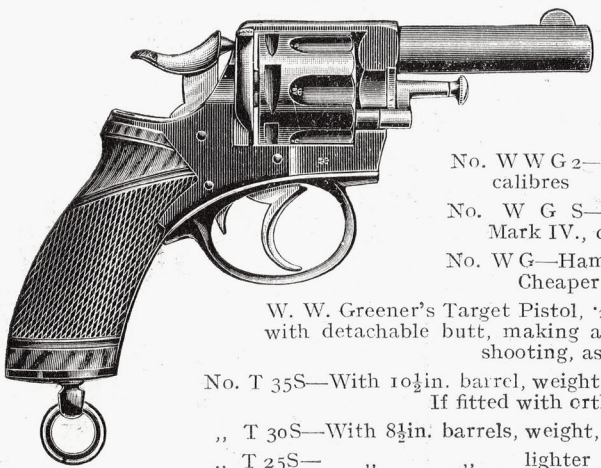
No. B L 1—Fitted with friction-firing attachment, to burn 1½ minute.

,, B L 2—Larger size, made to burn five minutes, and giving a more brilliant light.

Price on application.

The latter can either be fixed on the ground or hung on the trees. A circle of lights can be fired by having strings into the centre of the camp. They are usually fixed about twenty yards apart.

Target Pistols and Revolvers. *See special list for prices.*



No. W W G 1 — W. W. Greener's Bulldog Revolver, blued, thoroughly reliable, British made thorough out; central fire ·310, ·320, ·380 or ·450 calibre.

No. W W G 2—A Self-extracting Revolver, in either of above calibres

No. W G S—A Self-extracting Service-model (Webley), Mark IV., calibre 456/476, blued, /-, nickel.

No. W G—Hammerless Revolver ·320 or ·32 calibre. Cheaper quality Revolvers.

W. W. Greener's Target Pistol, ·22, ·297/230, ·297/250, and ·310 calibre, fitted with detachable butt, making an excellent little weapon for rook and pigeon shooting, as well as for target practice.

No. T 35S—With 10½in. barrel, weight, with butt, about 3lbs. If fitted with orthoptic sights.

,, T 30S—With 8½in. barrels, weight, with wire frame, about 2lbs.

,, T 25S— ,, ,, lighter pattern, in 22 and 297/230-bore only, weight about 1 lb. 5 oz.

,, T 20S—As above, but plainer quality ditto.

NOTE.—Our knowledge of the sportsman's wants is a practical one, acquired in field and jungle. Correspondence is invited. Any article will be procured to order.

W. W. Greener's Order Form for Guns.

Name .....

Address .....

.....

Railway Station .....

Please Supply ..... Gun

Description ..... Action.

Grade ..... Price £ : : Weight .....

Barrels—

..... Bore ..... in. long, and of ..... Steel.

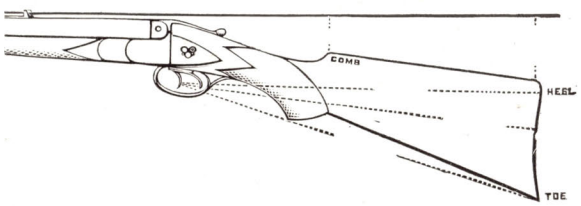
Cartridge ..... long, loaded with ..... Grains ..... Powder, and ..... oz. No. ..... Shot

Shooting of R Barrel ..... L Barrel .....

Rib, etc. .....

Stock—

(Please write the measures on the sketch.)



Heel plate .....

If Pistol-hand ..... Cast off .....

Safety ..... Escutcheon Initials .....

Trigger Pulls.—Right ..... Left .....

Case and Accessories .....

Remarks .....

.....

Wanted by .....

Terms of Payment .....

Forwarding Instructions .....

.....

If Blank spaces are left, W. W. Greener will use his discretion.

NEW ADDRESS:-
W. W. GREENER,
29, PALL MALL,
LONDON, S.W. 1.
WHILE REBUILDING GREENER HOUSE IN HAYMARKET,
TELEPHONE:- 5980 REGENT.
TELEGRAMS:- "EJECTOR, LONDON."

Weights and Loads of Guns.

Table of the Weights of Guns adapted to the specified charges of powder and shot.

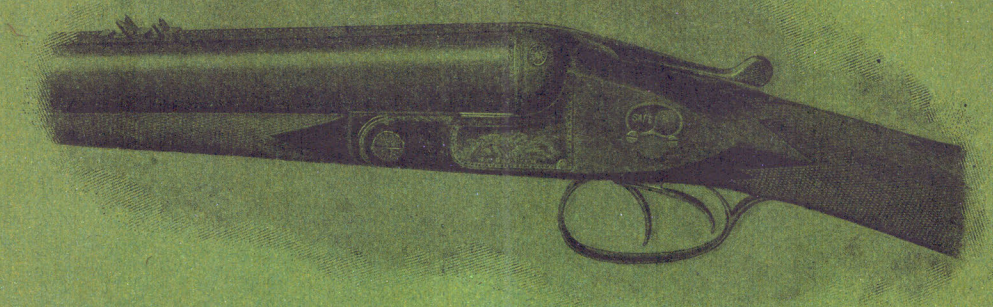
DESCRIPTION.	Bore.	LENGTH.		CHARGE OF		Weight of Gun.
		Barrel.	Chamber.	Powder.	Shot.	
		Inches.	Inches.	Drams.	Ozs.	lbs.
Single	4	40	4	9 Black	$3\frac{1}{4}$	15
,, ...	,,	46	,,	10 ,,	$3\frac{1}{2}$	18
Double	4	36	4	9 ,,	$3\frac{1}{4}$	18
,, ...	,,	40	,,	10 ,,	$3\frac{1}{2}$	22
Single	8	36	$3\frac{1}{4}$ Brass †	6 ,,	$2\frac{1}{4}$	10
,, ...	,,	42	,, ,,	7 ,,	$2\frac{1}{2}$	15
Double	8	32	$3\frac{1}{4}$	6 ,,	$2\frac{1}{2}$	11
,, ...	,,	34	,,	,, ,,	,,	12 to 13
,, ...	,,	36	,,	7 ,,	,,	14 ,, 15
Double	10	30	$2\frac{7}{8}$ and 3	4 ,,	$1\frac{1}{4}$ to $1\frac{1}{2}$*	8
,, ...	,,	32	,, ,,	,, ,,	,, ,,	9
Double	12	27	$2\frac{1}{2}$	3 ,,	1 and 1 $\frac{1}{16}$	6
,, ...	,,	28	,,	,, ,,	$1\frac{1}{8}$ $\frac{1}{16}$	$6\frac{1}{4}$
,, ...	,,	30	,,	,, ,,	$1\frac{1}{8}$	$6\frac{1}{2}$
,, ...	,,	,,	,,	,, ,,	$1\frac{1}{8}$	7
,, Pigeon Gun	,,	,,	$2\frac{3}{4}$	$3\frac{1}{4}$,,	$1\frac{1}{4}$	$7\frac{1}{4}$ to 8
,, ,, ,,	,,	,,	3	,, ,,	$1\frac{1}{4}$ to $1\frac{1}{2}$	$7\frac{1}{2}$,, $8\frac{1}{2}$
Double	16	27	$2\frac{1}{2}$	$2\frac{3}{4}$,,	1	$5\frac{1}{4}$
,, ...	,,	28	,,	,, ,,	,,	$5\frac{3}{4}$
,, ...	,,	30	,,	,, ,,	,,	6
,, ...	,,	,,	,,	,, ,,	,,	$6\frac{1}{4}$
Double	20	27	$2\frac{1}{2}$	$2\frac{1}{4}$,,	$\frac{7}{8}$	$4\frac{3}{4}$
,, ...	,,	28	,,	,, ,,	,,	5
,, ...	,,	30	,,	,, ,,	,,	$5\frac{1}{4}$
Double	24	27	$2\frac{1}{2}$	2 ,,	$\frac{3}{4}$	$4\frac{1}{2}$
Double	28	27	$2\frac{1}{2}$	$1\frac{3}{4}$,,	$\frac{5}{8}$**	$4\frac{1}{2}$
Double	32	27	$2\frac{1}{2}$	$1\frac{3}{8}$,,	$\frac{3}{8}$	4
,, ...	·410	,,	$2\frac{1}{4}$	$\frac{3}{4}$,,	$\frac{5}{16}$	$3\frac{3}{4}$ to 4

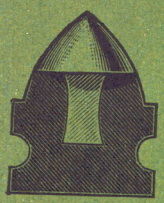
† Thin brass cartridges of the "Perfect" type can be used in all properly-chambered guns, but are not recommended except for special guns, or for guns of larger calibre than 10-bores.

* Shot of No. 4 size or larger.
** ,, ,, 7 or 8 or larger.

Ball may be safely us d from guns of above weights, provided the bullet can be pushed through the choke or narrowest part of the barrel, but when the gun is intended for regular use with ball, a few ounces extra weight in the barrel is advisable.

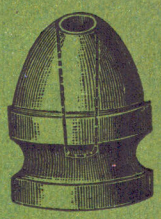
W. W. Greener's Choke-bore Rifles.





Steel-pointed Bullet.

Grade OF60. Price £63 0 0.



Hollow Bullet.

W. W. Greener's "Facile Princeps" Hammerless Action, with Treble-Wedge-Fast Cross-bolt, Wrought-steel Barrels, 28in. or 30in. long. Sights consist of Flush Folding Leaves, sighted for 100 or 150 yards. Half-pistol or Straight-hand Stock, neatly finished and engraved, as illustration. Made only in 12-bore. Weight, 7½ lbs. to 8½ lbs., according to load used. Recoil same as Shot Gun. Each Rifle is sent out complete with Spherical and Conical Moulds.

Only made for stock in this grade, but can be obtained in better qualities, or as a hammer gun, upon special order.

The "Choke-bore Rifle" is undoubtedly the best weapon of its class. It is bored on an entirely different principle from any other of these double-purpose weapons, and gives more satisfactory results when used with shot. When used with ball it is an excellent weapon for "snap-shots" at large game or deer drives; also tiger and bear shooting, or whenever advantage has to be taken of a snap shot at driven or moving game. It is essentially the weapon for jungle work, for with the accuracy and force of the heavy rifle, it combines the lightness and handiness of the Shot Gun. Firing black powder and a conical bullet at 100 yards, diagrams measuring 4in. by 3in. can be readily obtained. Suitable smokeless powder can also be used with satisfactory results. Muzzle velocity varies from 1,050 to 1,200 feet seconds with striking energy at 100 yards, of 1,722 feet lbs. to 1,822 feet lbs. according to load and bullet used.

Price of Ammunition for above.

Bore of Cartridge.	Length.	Black Powder.	Bullet.	Price per 100
	Inches.	Drams.	Grains.	£ s. d.
12	2½	3½ to 4	Spherical Bullet 570.	1 15 0
12.	2½	3½ to 4	Conical— 725. H.P. / 750. Solid	2 0 0
12.	2½	3	1⅛ oz. Shot	1 1 6

"It performed very well, putting all its bullets in a 6 in. diameter bull. I am much pleased with the weapon, and shall take it with me to Somaliland."—H. T. G., LEYDENBURG

W. W. GREENER,

Established 1829.

GUN MAKER and RIFLE MANUFACTURER.

Contractor to H.M. Government..

The largest and best equipped Sporting Gun and Rifle Factory in England.

W. W. GREENER'S HEAD OFFICE & WORKS, BIRMINGHAM.

Estimates and Inclusive Prices given for everything connected with GUNS, RIFLES, or SHOOTING. Detailed Catalogues published of GUNS, DOUBLE RIFLES and SINGLE RIFLES.

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